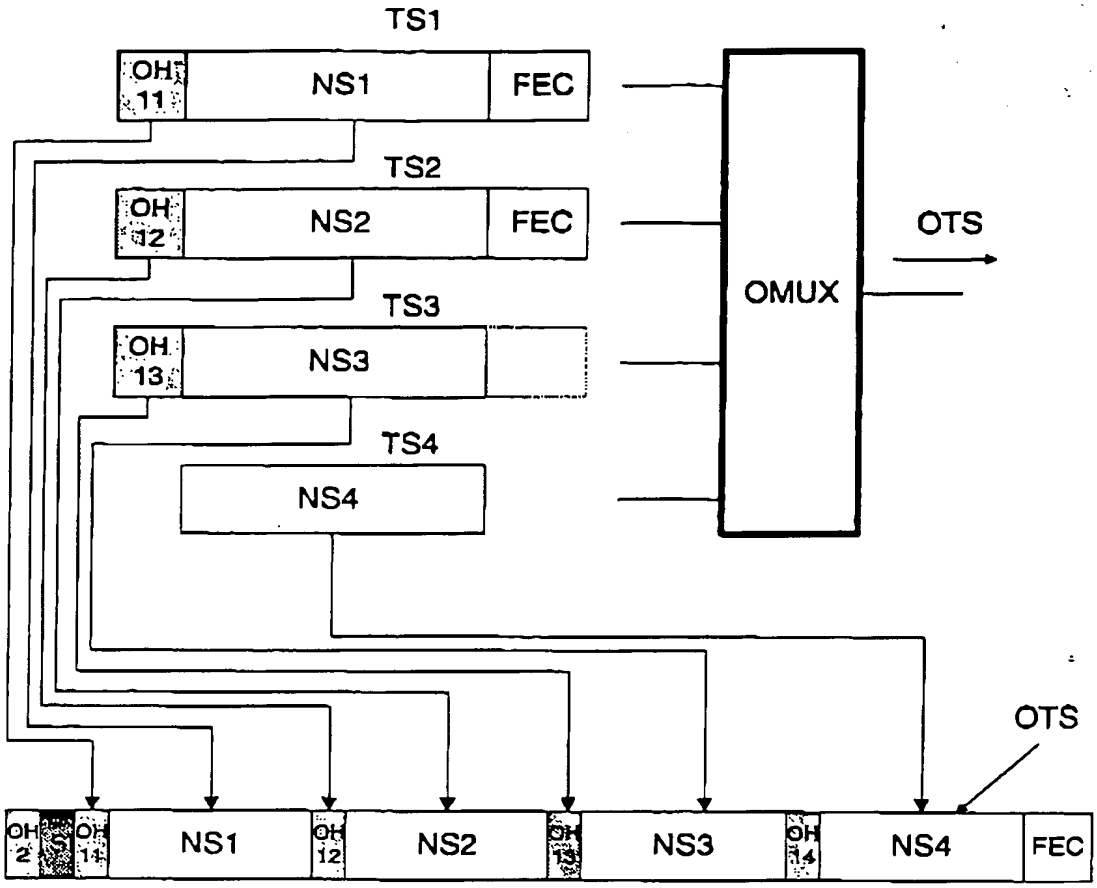

TS1
OH 11
NS1
FEC
TS2
OH 12
NS2
FEC
TS3
OH 13
NS3
TS4
NS4
OMUX
OTS
OTS
OH 2
S1
OH 11
NS1
OH 12
NS2
OH 13
NS3
OH 14
NS4
FEC

Fig. 1

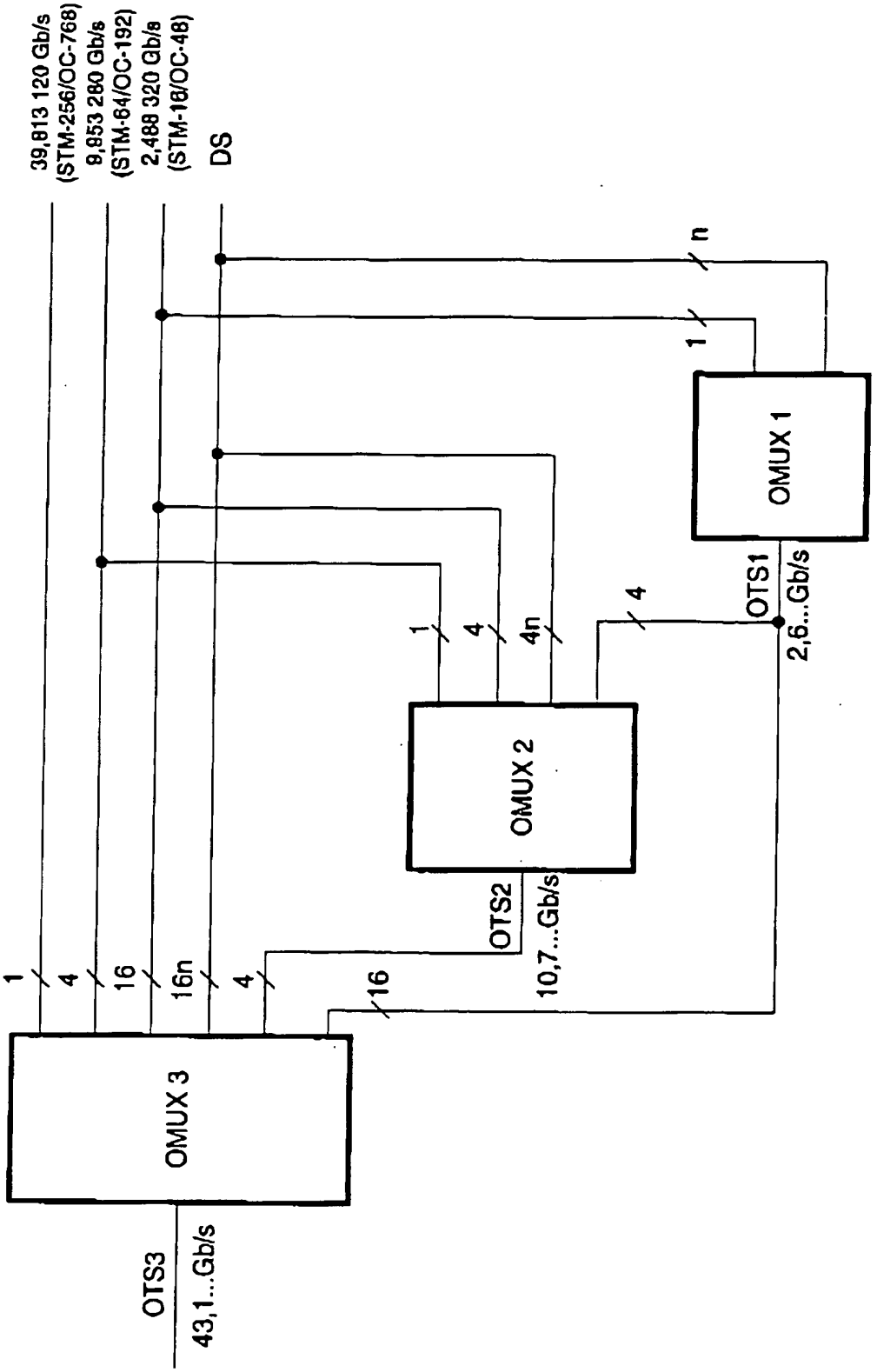

39,813 120 Gb/s
(STM-256/OC-768)
9,953 280 Gb/s
(STM-64/OC-192)
2,488 320 Gb/s
(STM-16/OC-48)
DS
n
1
OMUX 1
OTS1
2,6...Gb/s
4
1
4
4n
OMUX 2
OTS2
10,7...Gb/s
1
4
16
16n
4
16
OMUX 3
OTS3
43,1...Gb/s

Fig. 2

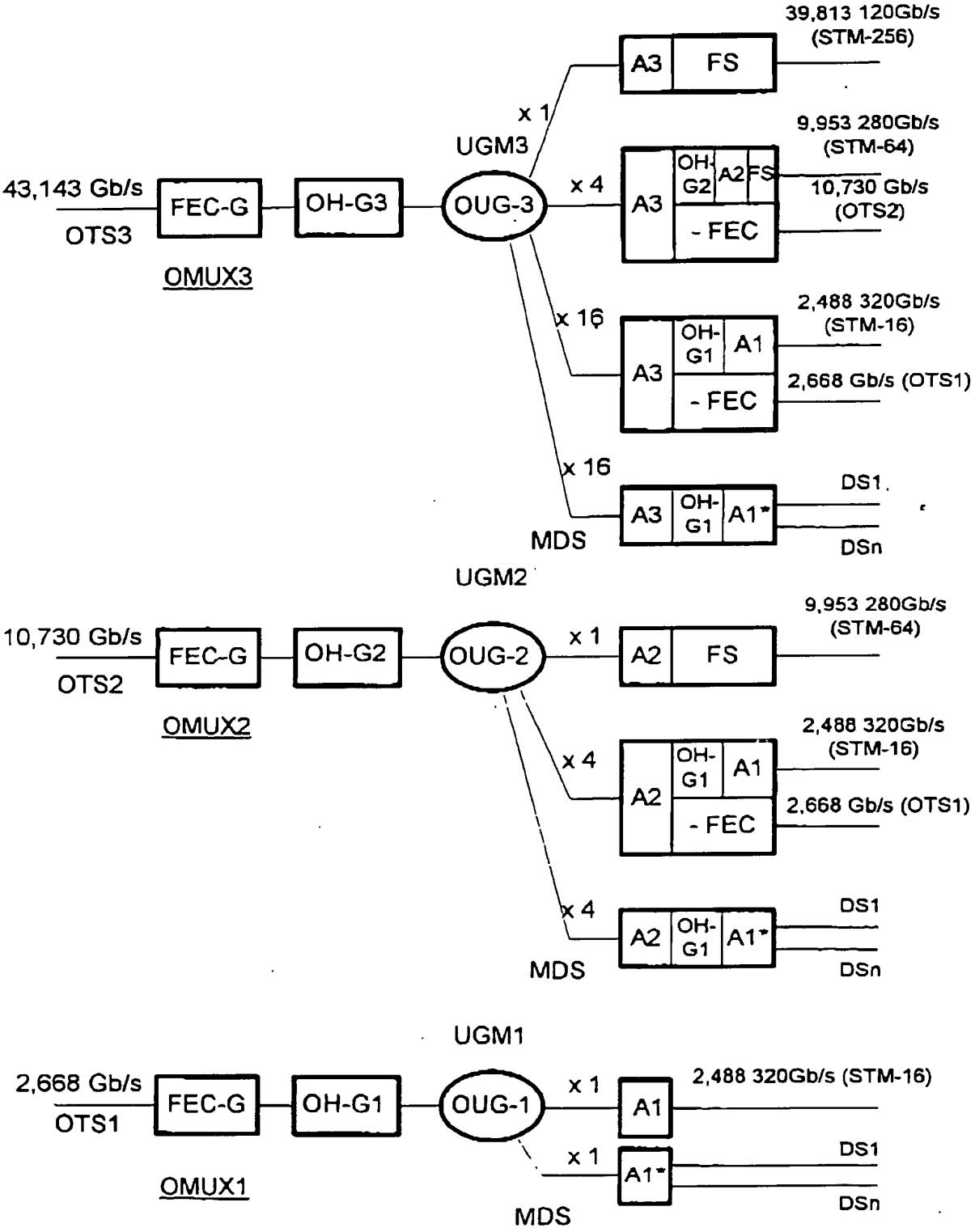

43,143 Gb/s
OTS3
FEC-G
OH-G3
OMUX3
UGM3
OUG-3
x 1
A3
FS
39,813 120Gb/s
(STM-256)
x 4
A3
OH-G2
A2
FS
- FEC
9,953 280Gb/s
(STM-64)
10,730 Gb/s
(OTS2)
x 16
A3
OH-G1
A1
- FEC
2,488 320Gb/s
(STM-16)
2,668 Gb/s (OTS1)
x 16
A3
OH-G1
A1*
MDS
DS1
DSn
UGM2
10,730 Gb/s
OTS2
FEC-G
OH-G2
OMUX2
OUG-2
x 1
A2
FS
9,953 280Gb/s
(STM-64)
x 4
A2
OH-G1
A1
- FEC
2,488 320Gb/s
(STM-16)
2,668 Gb/s (OTS1)
x 4
A2
OH-G1
A1*
MDS
DS1
DSn
UGM1
2,668 Gb/s
OTS1
FEC-G
OH-G1
OMUX1
OUG-1
x 1
A1
2,488 320Gb/s (STM-16)
x 1
A1*
DS1
DSn
MDS

Fig. 3

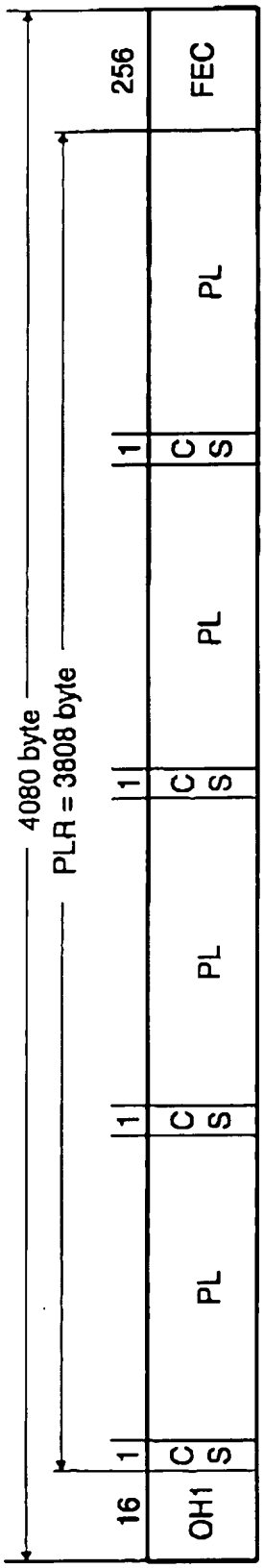

4080 byte
PLR = 3808 byte
16
OH1
1
C
S
PL
1
C
S
PL
1
C
S
PL
1
C
S
256
FEC
CS: C,C,C,C,C,C,C,S

Fig. 4

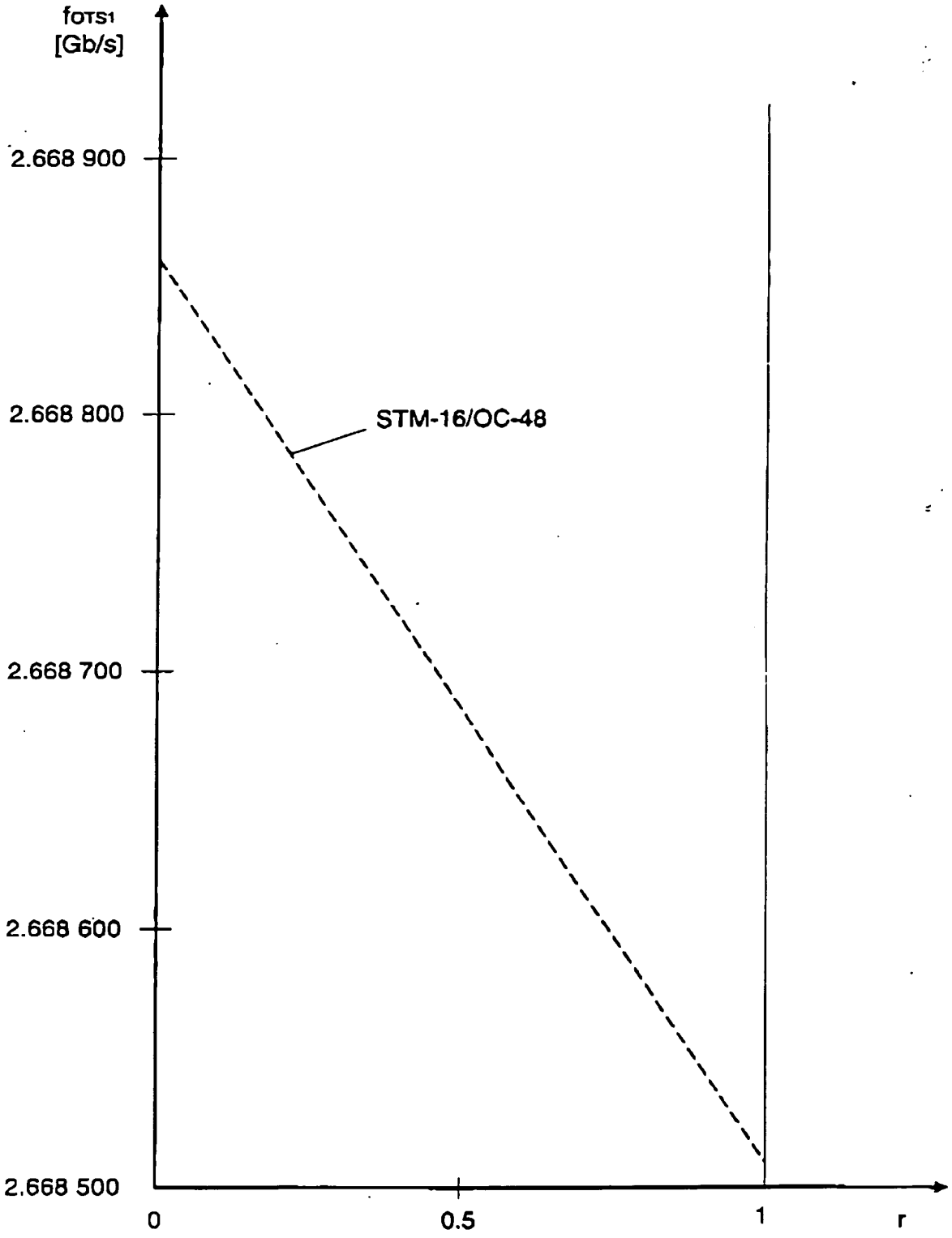
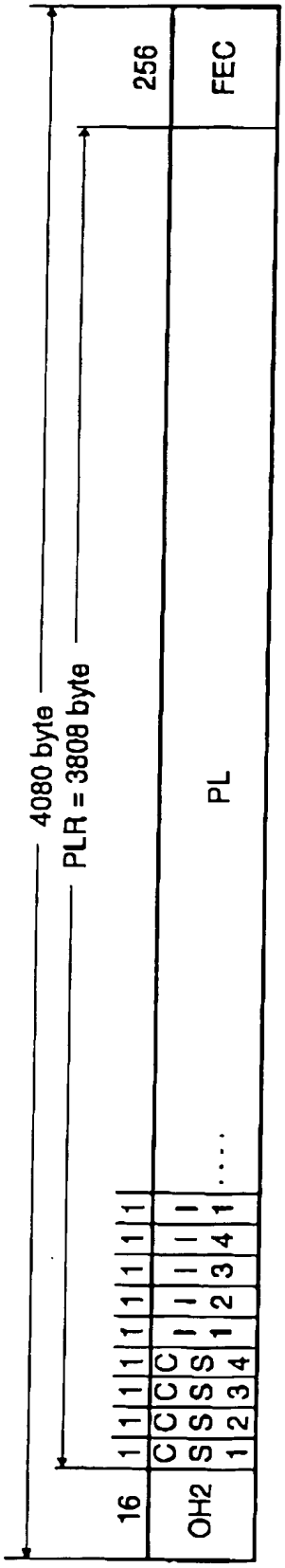
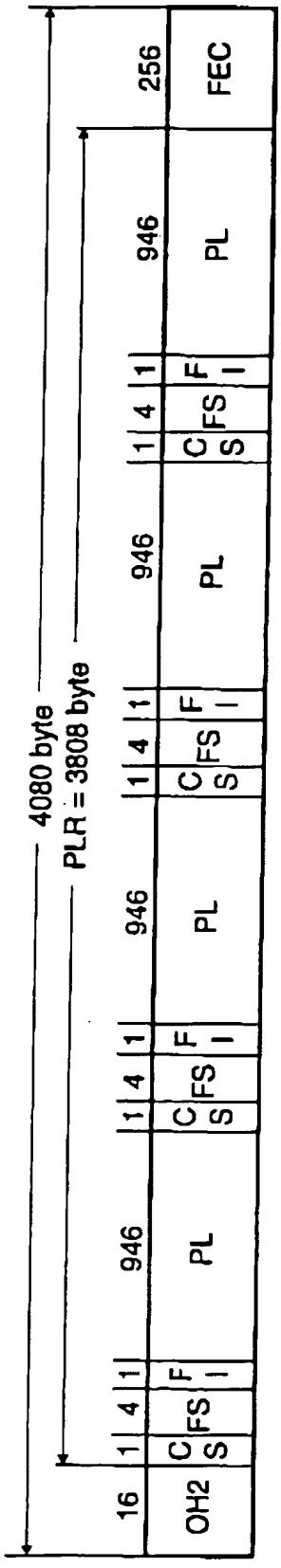

fOTS1
[Gb/s]
2.668 900
2.668 800
2.668 700
2.668 600
2.668 500
STM-16/OC-48
0
0.5
1
r

Fig. 5



CSx: Cx, Cx, Cx, Cx, Cx, Cx, Cx, Sx

Fig. 6



CS: C, C, C, C, C, C, C, S
FI: FS, FS, FS, FS, FS, FS, FS, I

Fig. 7

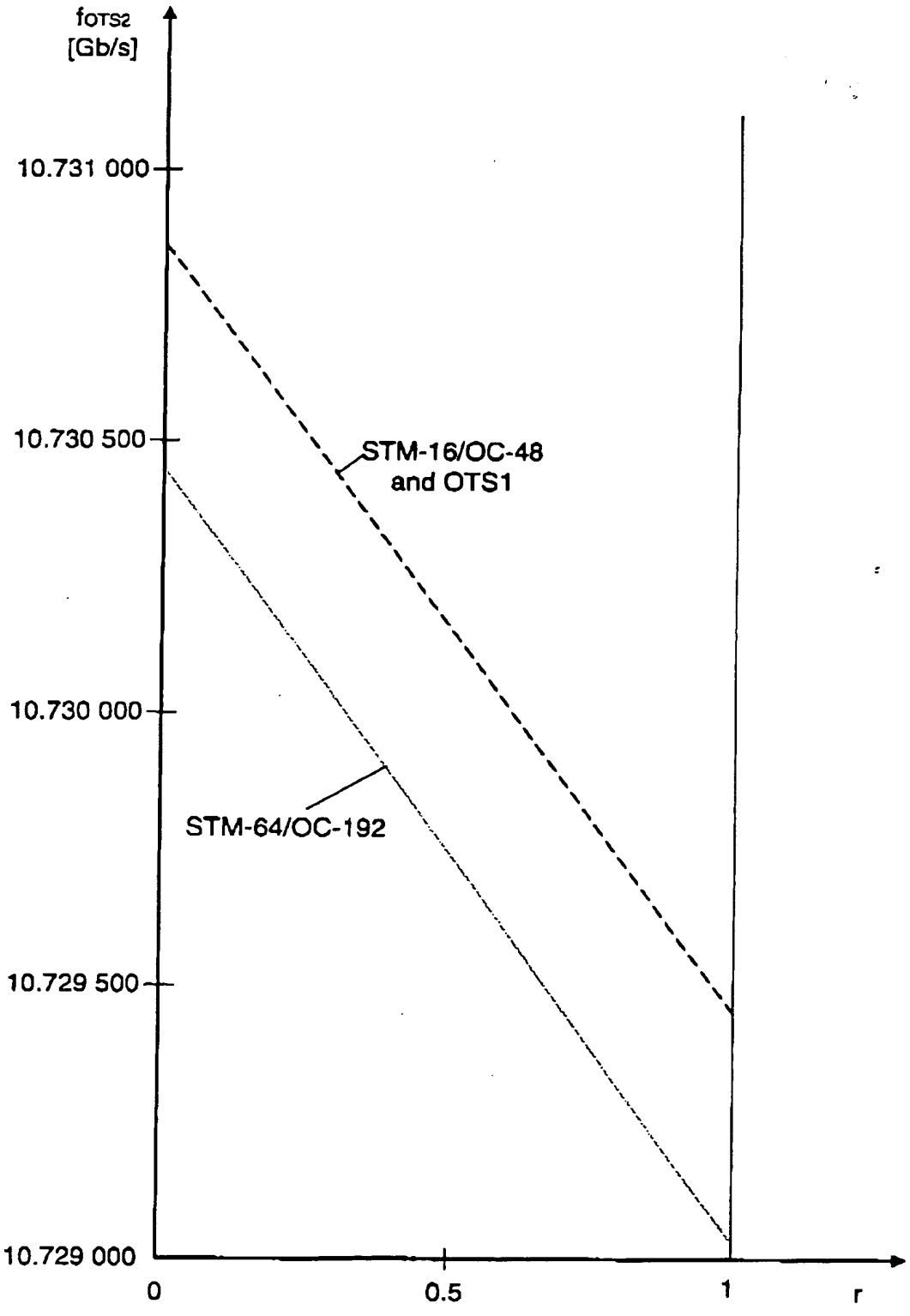

fOTS2
[Gb/s]
10.731 000
10.730 500
10.730 000
10.729 500
10.729 000
STM-16/OC-48
and OTS1
STM-64/OC-192
0
0.5
1
r

Fig. 8

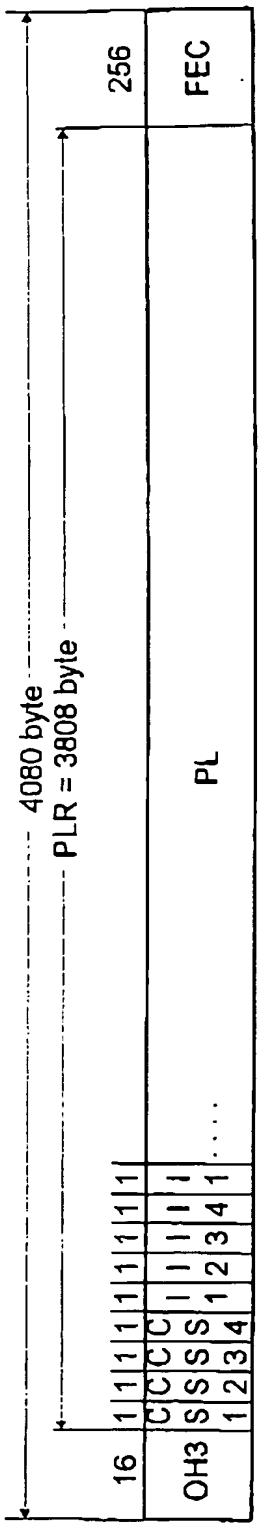


Fig. 9

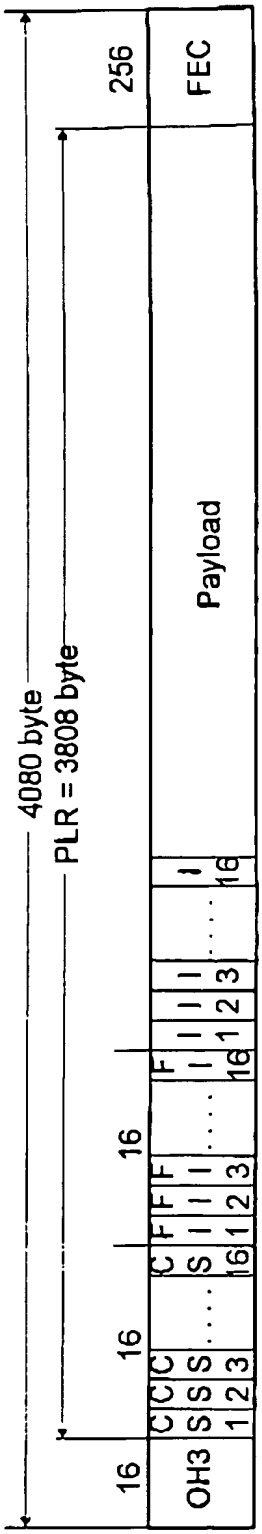


Fig. 10

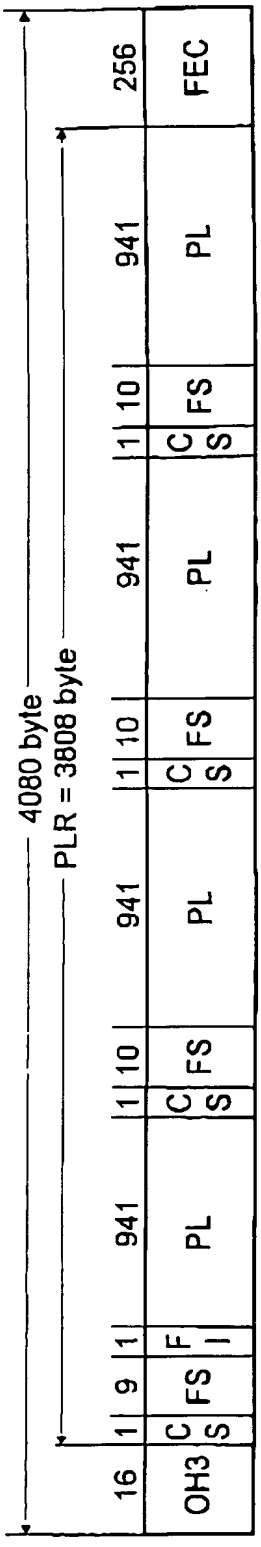


Fig. 11

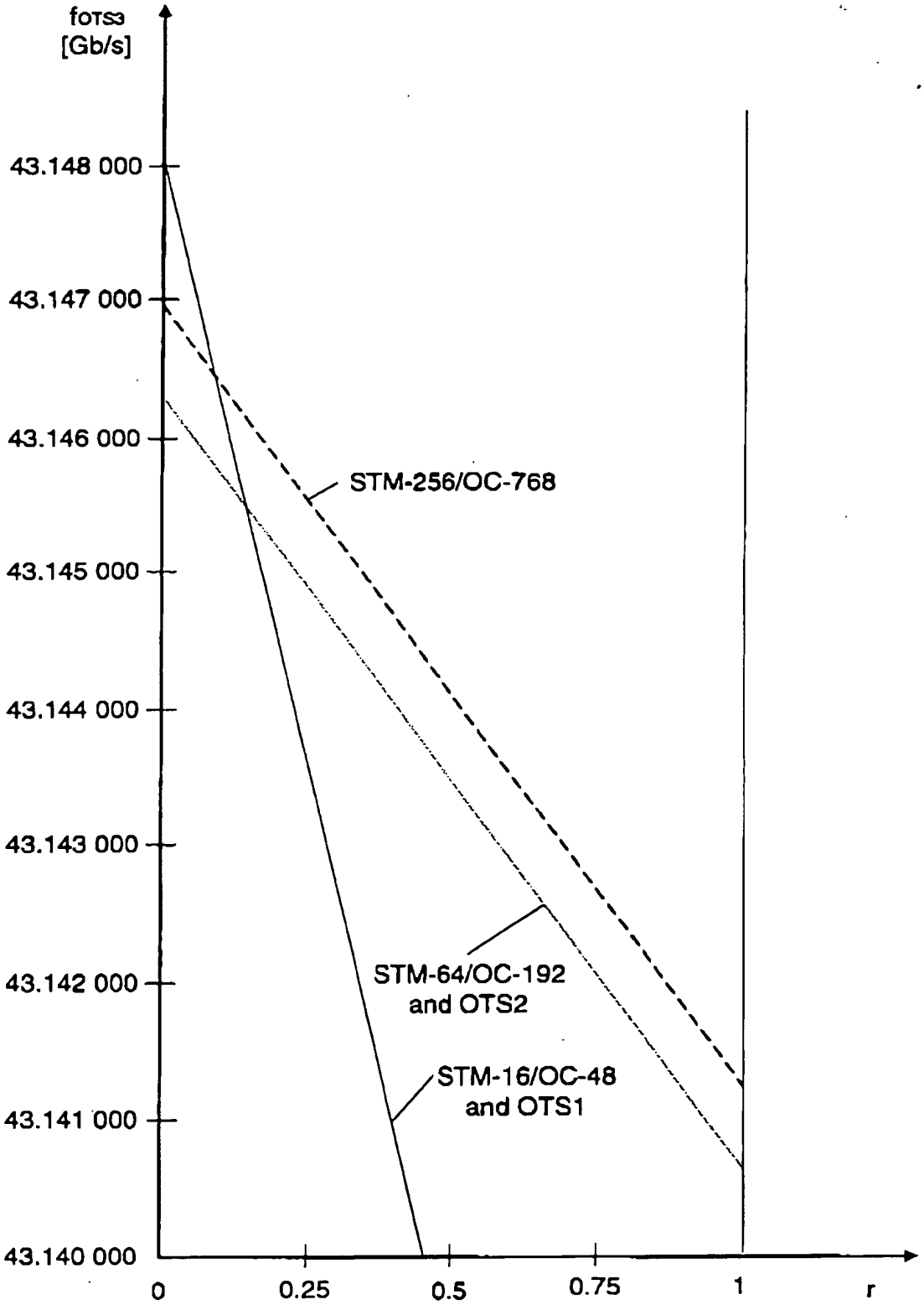

fOTS3
[Gb/s]
43.148 000
43.147 000
43.146 000
43.145 000
43.144 000
43.143 000
43.142 000
43.141 000
43.140 000
STM-256/OC-768
STM-64/OC-192
and OTS2
STM-16/OC-48
and OTS1
0
0.25
0.5
0.75
1
r

Fig. 12